GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: July 17, 2003, 16:10:58 ; Search time 54 Seconds
(without alignments)
532.220 Million cell updates/sec

Title: US-09-978-309A-74
Perfect score: 1195
Sequence: 1 QEKYDSMVQSLEDVTAQFES.....KKKQSETKLQEELNKVLGIK 242

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep1:*
11: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep2:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep3:*
13: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1195	100.0	242	12	US-09-978-309A-74	Sequence 74, Appl
2	1193	99.8	407	12	US-09-978-309A-78	Sequence 78, Appl
3	1193	99.8	725	12	US-09-978-309A-47	Sequence 47, Appl
4	1101.5	92.2	352	12	US-09-978-309A-83	Sequence 83, Appl
5	1090	91.2	221	12	US-09-978-309A-76	Sequence 76, Appl
6	917	76.7	631	12	US-09-978-309A-48	Sequence 48, Appl
7	913	76.4	333	12	US-09-978-309A-73	Sequence 73, Appl
8	913	76.4	476	12	US-09-978-309A-77	Sequence 77, Appl
9	902.5	75.5	476	12	US-09-978-309A-79	Sequence 79, Appl
10	869	72.7	435	12	US-09-978-309A-80	Sequence 80, Appl
11	842	70.5	221	12	US-09-978-309A-75	Sequence 75, Appl
12	209	17.5	1388	15	US-10-146-473-82	Sequence 82, Appl
13	160.5	13.4	1286	15	US-10-017-216-7	Sequence 7, Appli
14	160.5	13.4	1958	15	US-10-028-946-4	Sequence 4, Appli
15	160.5	13.4	2053	15	US-10-017-216-2	Sequence 2, Appli
16	160.5	13.4	2054	15	US-10-028-946-2	Sequence 2, Appli
17	159.5	13.3	1597	15	US-10-017-216-6	Sequence 6, Appli
18	159.5	13.3	1641	15	US-10-017-216-5	Sequence 5, Appli
19	159.5	13.3	2055	15	US-10-017-216-4	Sequence 4, Appli
20	157	13.1	32	12	US-09-978-309A-81	Sequence 81, Appl
21	155	13.0	434	11	US-09-866-582-14	Sequence 14, Appl
22	153	12.8	2099	15	US-10-128-714-3290	Sequence 3290, Ap
23	153	12.8	2285	11	US-09-932-183A-2	Sequence 2, Appli
24	153	12.8	2405	15	US-10-128-714-8290	Sequence 8290, Ap
25	151	12.6	1203	15	US-10-097-340-43	Sequence 43, Appl
26	149	12.5	374	10	US-09-925-302-711	Sequence 711, App
27	148	12.4	689	15	US-10-108-605-305	Sequence 305, App
28	147	12.3	677	10	US-09-745-763-168	Sequence 168, App
29	147	12.3	996	10	US-09-815-242-5251	Sequence 5251, Ap
30	147	12.3	1009	10	US-09-815-242-12141	Sequence 12141, A
31	146.5	12.3	1979	15	US-10-205-823-419	Sequence 419, App
32	146	12.2	1001	15	US-10-128-714-3240	Sequence 3240, Ap
33	146	12.2	1938	15	US-10-171-311-164	Sequence 164, App
34	146	12.2	1945	12	US-09-927-597-2	Sequence 2, Appli
35	146	12.2	1972	15	US-10-171-311-162	Sequence 162, App
36	146	12.2	1979	12	US-09-927-597-4	Sequence 4, Appli
37	146	12.2	3899	15	US-10-171-311-4	Sequence 4, Appli
38	146	12.2	3907	15	US-10-171-311-2	Sequence 2, Appli
39	146	12.2	3917	15	US-10-171-311-8	Sequence 8, Appli
40	146	12.2	3925	15	US-10-171-311-6	Sequence 6, Appli
41	145.5	12.2	2871	15	US-10-146-473-41	Sequence 41, Appl
42	144	12.1	1177	15	US-10-128-714-3493	Sequence 3493, Ap
43	144	12.1	1179	15	US-10-128-714-8493	Sequence 8493, Ap
44	143	12.0	1069	15	US-10-146-473-77	Sequence 77, Appl
45	142.5	11.9	764	15	US-10-309-851-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-978-309A-74
; Sequence 74, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
; APPLICANT: Cruz, Tony
; APPLICANT: Pastrak, Aleksandra
; APPLICANT: Turley, Eva A.
; TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
; TITLE OF INVENTION: Injury and Other Proliferating Cell Disorders Regulated by
; TITLE OF INVENTION: Hyaladherin and Hyaluronans
; FILE REFERENCE: 033352-010
; CURRENT APPLICATION NUMBER: US/09/978,309A
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 09/685,010
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/541,522
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/127,457
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 74
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-978-309A-74

Query Match 100.0%; Score 1195; DB 12; Length 242;
Best Local Similarity 100.0%; Pred. No. 1.2e-78;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
```

```
Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240

Qy        241 IK 242
              ||
Db        241 IK 242
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RESULT 2
US-09-978-309A-78
; Sequence 78, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
; APPLICANT: Cruz, Tony
; APPLICANT: Pastrak, Aleksandra
; APPLICANT: Turley, Eva A.
; TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
; TITLE OF INVENTION: Injury and Other Proliferating Cell Disorders Regulated by
; TITLE OF INVENTION: Hyaladherin and Hyaluronans
; FILE REFERENCE: 033352-010
; CURRENT APPLICATION NUMBER: US/09/978,309A
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 09/685,010
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/541,522
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/127,457
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 78
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-978-309A-78

Query Match 99.8%; Score 1193; DB 12; Length 407;
Best Local Similarity 99.6%; Pred. No. 3e-78;
Matches 241; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        125 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 184

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        185 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 244

Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              ||||||||||||||||||||||||||||||||:|||||||||||||||||||||||||||||
Db        245 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQLQLDAFEVEKQALLNEHGAAQEQLNKI 304

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        305 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 364

Qy        241 IK 242
              ||
Db        365 IK 366
```

RESULT 3
US-09-978-309A-47
; Sequence 47, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
; APPLICANT: Cruz, Tony
; APPLICANT: Pastrak, Aleksandra
; APPLICANT: Turley, Eva A.
; TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
; TITLE OF INVENTION: Injury and Other Proliferating Cell Disorders Regulated by
; TITLE OF INVENTION: Hyaladherin and Hyaluronans
; FILE REFERENCE: 033352-010
; CURRENT APPLICATION NUMBER: US/09/978,309A
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 09/685,010
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/541,522
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/127,457
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 725
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-978-309A-47

Query Match 99.8%; Score 1193; DB 12; Length 725;
Best Local Similarity 99.6%; Pred. No. 5.9e-78;
Matches 241; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        443 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 502

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        503 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 562

Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              ||||||||||||||||||||||||||||||||||:|||||||||||||||||||||||||||||
Db        563 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQLQLDAFEVEKQALLNEHGAAQEQLNKI 622

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        623 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 682

Qy        241 IK 242
              ||
Db        683 IK 684
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RESULT 4
US-09-978-309A-83
; Sequence 83, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
; APPLICANT: Cruz, Tony
; APPLICANT: Pastrak, Aleksandra
; APPLICANT: Turley, Eva A.
; TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
; TITLE OF INVENTION: Injury and Other Proliferating Cell Disorders Regulated by
; TITLE OF INVENTION: Hyaladherin and Hyaluronans
; FILE REFERENCE: 033352-010
; CURRENT APPLICATION NUMBER: US/09/978,309A
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 09/685,010
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/541,522
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/127,457
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 83
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapien

```
US-09-978-309A-83

  Query Match             92.2%;  Score 1101.5;  DB 12;  Length 352;
  Best Local Similarity   99.1%;  Pred. No. 9.5e-72;
  Matches  224;  Conservative    1;  Mismatches    0;  Indels    1;  Gaps    1;

Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKA-AKAGKNAEDVQHQILA 59
              |||||||||||||||||||||||||||||||||||||||||||| |||||||||||||||
Db        125 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAVAKAGKNAEDVQHQILA 184

Qy         60 TESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEG 119
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        185 TESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEG 244

Qy        120 RKAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNK 179
              ||||||||||||||||||||||||||||||:||||||||||||||||||||||||||||
Db        245 RKAEKENTTAELTEEINKWRLLYEELYNKTKPFQLQLDAFEVEKQALLNEHGAAQEQLNK 304

Qy        180 IRDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKK 225
              |||||||||||||||||||||||||||||||||||||||||||||
Db        305 IRDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKK 350


RESULT 5
US-09-978-309A-76
; Sequence 76, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
;  APPLICANT: Cruz, Tony
;  APPLICANT:  Pastrak, Aleksandra
;  APPLICANT:  Turley, Eva A.
;  TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
;  TITLE OF INVENTION:  Injury and Other Proliferating Cell Disorders Regulated by
;  TITLE OF INVENTION:  Hyaladherin and Hyaluronans
;  FILE REFERENCE: 033352-010
;  CURRENT APPLICATION NUMBER: US/09/978,309A
;  CURRENT FILING DATE:  2002-04-04
;  PRIOR APPLICATION NUMBER: US 09/685,010
;  PRIOR FILING DATE: 2000-10-05
;  PRIOR APPLICATION NUMBER: US 09/541,522
;  PRIOR FILING DATE: 2000-04-03
;  PRIOR APPLICATION NUMBER: US 60/127,457
;  PRIOR FILING DATE: 1999-04-01
;  NUMBER OF SEQ ID NOS: 84
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 76
;   LENGTH: 221
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-09-978-309A-76

  Query Match             91.2%;  Score 1090;  DB 12;  Length 221;
  Best Local Similarity   100.0%;  Pred. No. 3.7e-71;
  Matches  221;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         22 KALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILATESSNQEYVRMLLDLQTKSALK 81
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 KALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILATESSNQEYVRMLLDLQTKSALK 60

Qy         82 ETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGRKAEKENTTAELTEEINKWRLL 141
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 ETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGRKAEKENTTAELTEEINKWRLL 120

Qy        142 YEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKIRDSYAKLLGHQNLKQKIKHVV 201
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 YEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKIRDSYAKLLGHQNLKQKIKHVV 180

Qy        202 KLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLGIK 242
              |||||||||||||||||||||||||||||||||||||||||
Db        181 KLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLGIK 221


RESULT 6
US-09-978-309A-48
; Sequence 48, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
;  APPLICANT: Cruz, Tony
;  APPLICANT:  Pastrak, Aleksandra
;  APPLICANT:  Turley, Eva A.
;  TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
;  TITLE OF INVENTION:  Injury and Other Proliferating Cell Disorders Regulated by
;  TITLE OF INVENTION:  Hyaladherin and Hyaluronans
;  FILE REFERENCE: 033352-010
;  CURRENT APPLICATION NUMBER: US/09/978,309A
;  CURRENT FILING DATE:  2002-04-04
;  PRIOR APPLICATION NUMBER: US 09/685,010
;  PRIOR FILING DATE: 2000-10-05
;  PRIOR APPLICATION NUMBER: US 09/541,522
;  PRIOR FILING DATE: 2000-04-03
;  PRIOR APPLICATION NUMBER: US 60/127,457
;  PRIOR FILING DATE: 1999-04-01
;  NUMBER OF SEQ ID NOS: 84
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48
;   LENGTH: 631
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-09-978-309A-48

  Query Match             76.7%;  Score 917;  DB 12;  Length 631;
  Best Local Similarity   76.4%;  Pred. No. 3.3e-58;
  Matches  185;  Conservative   19;  Mismatches   38;  Indels    0;  Gaps    0;

Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||:   ||| ||||| ||||: |  ||||||||| :|||| | | |: |||| |||
Db        363 QEKYNDTAQSLRDVTAQLESYKSSTLKEIEDLKLENLTLQEKVAMAEKSVEDVQQQILTA 422

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||:|||| ||: ||| :| ||| |||||| |||:|||||:|||:||:|||||||::  |
Db        423 ESTNQEYARMVQDLQNRSTLKEEEIKEITSSFLEKITDLKNQLRQQDEDFRKQLEEKGKR 482

Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              |||||   ||| |||||||||||| |||||| |||||| |||||||||| |||||||
Db        483 TAEKENVMTELTMEINKWRLLYEELYEKTKPFQQQLDAFEAEKQALLNEHGATQEQLNKI 542

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240
              |||||:|||||||||||||||||||||||||||||| || |:||:| :|| ||:| ||
Db        543 RDSYAQLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRSQLVKRKQNELRLQGELDKALG 602

Qy        241 IK 242
              |:
Db        603 IR 604


RESULT 7
US-09-978-309A-73
; Sequence 73, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
;  APPLICANT: Cruz, Tony
;  APPLICANT:  Pastrak, Aleksandra
;  APPLICANT:  Turley, Eva A.
;  TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
;  TITLE OF INVENTION:  Injury and Other Proliferating Cell Disorders Regulated by
;  TITLE OF INVENTION:  Hyaladherin and Hyaluronans
;  FILE REFERENCE: 033352-010
;  CURRENT APPLICATION NUMBER: US/09/978,309A
;  CURRENT FILING DATE:  2002-04-04
;  PRIOR APPLICATION NUMBER: US 09/685,010
;  PRIOR FILING DATE: 2000-10-05
;  PRIOR APPLICATION NUMBER: US 09/541,522
;  PRIOR FILING DATE: 2000-04-03
;  PRIOR APPLICATION NUMBER: US 60/127,457
;  PRIOR FILING DATE: 1999-04-01
;  NUMBER OF SEQ ID NOS: 84
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```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 73
;   LENGTH: 333
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-978-309A-73

  Query Match             76.4%;  Score 913;  DB 12;  Length 333;
  Best Local Similarity   76.0%;  Pred. No. 3e-58;
  Matches  184;  Conservative   20;  Mismatches   38;  Indels    0;  Gaps    0;

Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||:   ||| ||:|| |||| | |||||||||| :|||| | | |: |||| |||
Db         92 QEKYNDTAQSLRDVSAQLESYKSSTLKEIEDLKLENLTLQEKVAMAEKSVEDVQQQILTA 151

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||:|||| ||: ||| :| ||| |||||| |||:|||||:|||:||:|||||||||:  |
Db        152 ESTNQEYARMVQDLQNRSTLKEEEIKEITSSFLEKITDLKNQLRQQDEDFRKQLEEKGKR 211

Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              |||||   ||| |||||||||||||| |||||| |||||| |||||||||| |||||||
Db        212 TAEKENVMTELTMEINKWRLLYEELYEKTKPFQQQLDAFEAEKQALLNEHGATQEQLNKI 271

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240
              |||||:|||||||||||||||||||||||||||| || |:||:| :|| ||:| ||
Db        272 RDSYAQLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRSQLVKRKQNELRLQGELDKALG 331

Qy        241 IK 242
              |:
Db        332 IR 333


RESULT 8
US-09-978-309A-77
; Sequence 77, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
;  APPLICANT: Cruz, Tony
;  APPLICANT:  Pastrak, Aleksandra
;  APPLICANT:  Turley, Eva A.
; TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
; TITLE OF INVENTION:  Injury and Other Proliferating Cell Disorders Regulated by
; TITLE OF INVENTION:  Hyaladherin and Hyaluronans
; FILE REFERENCE: 033352-010
; CURRENT APPLICATION NUMBER: US/09/978,309A
; CURRENT FILING DATE:  2002-04-04
; PRIOR APPLICATION NUMBER: US 09/685,010
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/541,522
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/127,457
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 77
;   LENGTH: 476
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-978-309A-77

  Query Match             76.4%;  Score 913;  DB 12;  Length 476;
  Best Local Similarity   76.0%;  Pred. No. 4.6e-58;
  Matches  184;  Conservative   20;  Mismatches   38;  Indels    0;  Gaps    0;

Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||:   ||| ||:|| |||| | |||||||||| :|||| | | |: |||| |||
Db        208 QEKYNDTAQSLRDVSAQLESYKSSTLKEIEDLKLENLTLQEKVAMAEKSVEDVQQQILTA 267

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||:|||| ||: ||| :| ||| |||||| |||:|||||:|||:||:|||||||||:  |
Db        268 ESTNQEYARMVQDLQNRSTLKEEEIKEITSSFLEKITDLKNQLRQQDEDFRKQLEEKGKR 327

Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              |||||   ||| |||||||||||||| |||||| |||||| |||||||||| |||||||
Db        328 TAEKENVMTELTMEINKWRLLYEELYEKTKPFQQQLDAFEAEKQALLNEHGATQEQLNKI 387

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240
              |||||:|||||||||||||||||||||||||||| || |:||:| :|| ||:| ||
Db        388 RDSYAQLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRSQLVKRKQNELRLQGELDKALG 447

Qy        241 IK 242
              |:
Db        448 IR 449


RESULT 9
US-09-978-309A-79
; Sequence 79, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
;  APPLICANT: Cruz, Tony
;  APPLICANT:  Pastrak, Aleksandra
;  APPLICANT:  Turley, Eva A.
; TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
; TITLE OF INVENTION:  Injury and Other Proliferating Cell Disorders Regulated by
; TITLE OF INVENTION:  Hyaladherin and Hyaluronans
; FILE REFERENCE: 033352-010
; CURRENT APPLICATION NUMBER: US/09/978,309A
; CURRENT FILING DATE:  2002-04-04
; PRIOR APPLICATION NUMBER: US 09/685,010
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: US 09/541,522
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/127,457
; PRIOR FILING DATE: 1999-04-01
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 79
;   LENGTH: 476
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-978-309A-79

  Query Match             75.5%;  Score 902.5;  DB 12;  Length 476;
  Best Local Similarity   76.0%;  Pred. No. 2.6e-57;
  Matches  184;  Conservative   19;  Mismatches   38;  Indels    1;  Gaps    1;

Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||:   ||| ||:|| |||| | |||||||||| :|||| | | |: |||| |||
Db        209 QEKYNDTAQSLRDVTAQLESYKSSTLKEIEDLKLENLTLQEKVAMAEKSVEDVQQQILTA 268

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||:|||| ||: ||| :| ||| |||| | |||:|||||:|||:||:|||||||||:  |
Db        269 ESTNQEYARMVQDLQNRSTLKEEEIKE-TSSFLEKITDLKNQLRQQDEDFRKQLEEKGKR 327

Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              |||||   ||| |||||||||||||| |||||| |||||| |||||||||| |||||||
Db        328 TAEKENVMTELTMEINKWRLLYEELYEKTKPFQQQLDAFEAEKQALLNEHGATQEQLNKI 387

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLG 240
              |||||:|||||||||||||||||||||||||||| || |:||:| :|| ||:| ||
Db        388 RDSYAQLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRSQLVKRKQNELRLQGELDKALG 447

Qy        241 IK 242
              |:
Db        448 IR 449


RESULT 10
US-09-978-309A-80
; Sequence 80, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
;  APPLICANT: Cruz, Tony
;  APPLICANT:  Pastrak, Aleksandra
;  APPLICANT:  Turley, Eva A.
```

```
;  TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
;  TITLE OF INVENTION:  Injury and Other Proliferating Cell Disorders Regulated by
;  TITLE OF INVENTION:  Hyaladherin and Hyaluronans
;  FILE REFERENCE: 033352-010
;  CURRENT APPLICATION NUMBER: US/09/978,309A
;  CURRENT FILING DATE:  2002-04-04
;  PRIOR APPLICATION NUMBER: US 09/685,010
;  PRIOR FILING DATE: 2000-10-05
;  PRIOR APPLICATION NUMBER: US 09/541,522
;  PRIOR FILING DATE: 2000-04-03
;  PRIOR APPLICATION NUMBER: US 60/127,457
;  PRIOR FILING DATE: 1999-04-01
;  NUMBER OF SEQ ID NOS: 84
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 80
;   LENGTH: 435
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-978-309A-80

  Query Match            72.7%;  Score 869;  DB 12;  Length 435;
  Best Local Similarity   77.1%;  Pred. No. 6e-55;
  Matches  175;  Conservative   17;  Mismatches   35;  Indels    0;  Gaps    0;

Qy          1 QEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILAT 60
              ||||:   ||| ||:|| |||||: |  |||||||| :|||| | | |: |||| ||| 
Db        209 QEKYNDTAQSLRDVSAQLESYKSSTLKEIEDLKLENLTLQEKVAMAEKSVEDVQQQILTA 268

Qy         61 ESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGR 120
              ||:|||| ||: ||| :| ||| |||||| |||:|||||:|||:||:|||||||::  |
Db        269 ESTNQEYARMVQDLQNRSTLKEEEIKEITSSFLEKITDLKNQLRQQDEDFRKQLEEKGKR 328

Qy        121 KAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKI 180
              |||||   ||| |||||||||||||| |||||| |||||| |||||||||| |||||||
Db        329 TAEKENVMTELTMEINKWRLLYEELYEKTKPFQQQLDAFEAEKQALLNEHGATQEQLNKI 388

Qy        181 RDSYAKLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRCQLAKKKQS 227
              |||||:|||||||||||||||||||||||||||||||| || |:||:
Db        389 RDSYAQLLGHQNLKQKIKHVVKLKDENSQLKSEVSKLRSQLVKRKQN 435


RESULT 11
US-09-978-309A-75
; Sequence 75, Application US/09978309A
; Publication No. US20030100490A1
; GENERAL INFORMATION:
;  APPLICANT: Cruz, Tony
;  APPLICANT:  Pastrak, Aleksandra
;  APPLICANT:  Turley, Eva A.
;  TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
;  TITLE OF INVENTION:  Injury and Other Proliferating Cell Disorders Regulated by
;  TITLE OF INVENTION:  Hyaladherin and Hyaluronans
;  FILE REFERENCE: 033352-010
;  CURRENT APPLICATION NUMBER: US/09/978,309A
;  CURRENT FILING DATE:  2002-04-04
;  PRIOR APPLICATION NUMBER: US 09/685,010
;  PRIOR FILING DATE: 2000-10-05
;  PRIOR APPLICATION NUMBER: US 09/541,522
;  PRIOR FILING DATE: 2000-04-03
;  PRIOR APPLICATION NUMBER: US 60/127,457
;  PRIOR FILING DATE: 1999-04-01
;  NUMBER OF SEQ ID NOS: 84
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 75
;   LENGTH: 221
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-978-309A-75

  Query Match            70.5%;  Score 842;  DB 12;  Length 221;
  Best Local Similarity   76.9%;  Pred. No. 2.4e-53;
  Matches  170;  Conservative   18;  Mismatches   33;  Indels    0;  Gaps    0;

Qy         22 KALTASEIEDLKLENSSLQEKAAKAGKNAEDVQHQILATESSNQEYVRMLLDLQTKSALK 81
              |: |  |||||||| :|||| | | |: |||| |||  ||:|||| ||: ||| :| ||
Db          1 KSSTLKEIEDLKLENLTLQEKVAMAEKSVEDVQQQILTAESTNQEYARMVQDLQNRSTLK 60

Qy         82 ETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGRKAEKENTTAELTEEINKWRLL 141
              | |||||| |||:|||||:|||:||:|||||||::  | |||||   ||| ||||||||
Db         61 EEEIKEITSSFLEKITDLKNQLRQQDEDFRKQLEEKGKRTAEKENVMTELTMEINKWRLL 120

Qy        142 YEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKIRDSYAKLLGHQNLKQKIKHVV 201
              ||||| |||||| |||||| |||||||||| ||||||||||||:|||||||||||||||
Db        121 YEELYEKTKPFQQQLDAFEAEKQALLNEHGATQEQLNKIRDSYAQLLGHQNLKQKIKHVV 180

Qy        202 KLKDENSQLKSEVSKLRCQLAKKKQSETKLQEELNKVLGIK 242
              |||||||||||||||| || |:||:| :|| ||:| |||:
Db        181 KLKDENSQLKSEVSKLRSQLVKRKQNELRLQGELDKALGIR 221


RESULT 12
US-10-146-473-82
; Sequence 82, Application US/10146473
; Publication No. US20030108888A1
; GENERAL INFORMATION:
;  APPLICANT: Scanlan, Matthew
;  APPLICANT:  Gout, Ivan
;  APPLICANT:  Stockert, Elisabeth
;  APPLICANT:  Gure, Ali
;  APPLICANT:  Chen, Yao-Tseng
;  APPLICANT:  Old, Lloyd
;  TITLE OF INVENTION: Breast Cancer Antigens
;  FILE REFERENCE: L00461/70130(JRV)
;  CURRENT APPLICATION NUMBER: US/10/146,473
;  CURRENT FILING DATE:  2002-05-15
;  PRIOR APPLICATION NUMBER: US 60/291,150
;  PRIOR FILING DATE: 2001-05-15
;  NUMBER OF SEQ ID NOS: 82
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 82
;   LENGTH: 1388
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-146-473-82

  Query Match            17.5%;  Score 209;  DB 15;  Length 1388;
  Best Local Similarity   24.8%;  Pred. No. 5.6e-07;
  Matches   68;  Conservative   57;  Mismatches  101;  Indels   48;  Gaps    7;

Qy          1 QEKYDSMVQSLEDV-------------TAQFESYKA----LTASEIEDLKLENSSLQEKA 43
              : :|:  :: || |                |::: |       |||| :   :||:
Db       1118 KNEYNFKMRQLEHVMDSAAEDPQSPKTPPHFQTHLAKLLETQEQEIEDGRASKTSLEHLV 1177

Qy         44 AKAGKNAEDVQHQILATESSNQEYVRMLLDLQ---TKSALKETEIKEITVSFLQKITDLQ 100
               | :: |    :|| :   :|   : |: |    |: | : :: :|     ||    |
Db       1178 TKLNEDREVKNAEILRMKEQLREMENLRLESQQLIEKNWLLQGQLDDIK---RQKENSDQ 1234

Qy        101 N-----QLKQQEEDFRKQ----------------LEDEEGRKAEKENTTAELTEEINKW 138
              |     ||| ::|:  |: ·                ||: :    ||     :|:|: :
Db       1235 NHPDNQQLKNEQEESIKERLAKSKIVEEMLKMKADLEEVQSALYNKEMECLRMTDEVERT 1294

Qy        139 RLLYEELYNKTKPFQIQLDAFEVEKQALLNEHGAAQEQLNKIRDSYAKLLGHQNLKQKIK 198
              : |  : : : :  : :|:    |::    |    ::|:  : :   ||:|||| |||:
Db       1295 QTLESKAFQEKEQLRSKLEEMYEERERTSQEMEMLRKQVECLAEENGKLVGHQNLHQKIQ 1354

Qy        199 HVVKLKDENSQLKSEVSKLRCQ---LAKKKQSET 229
              :||:|| || :|  |  ||| :   | :||:|||:
Db       1355 YVVRLKKENVRLAEETEKLRAENVFLKEKKRSES 1388


RESULT 13
US-10-017-216-7
; Sequence 7, Application US/10017216
; Publication No. US20020160483A1
; GENERAL INFORMATION:
;  APPLICANT: KAPELLER-LIBERMANN, Rosana
```

```
;  TITLE OF INVENTION: 13245, A No. US20020160483A1el Human Myotonic Dystrophy Type Prot
;  TITLE OF INVENTION:  Kinase and Uses Therefor
;  FILE REFERENCE: 10147-57U1
;  CURRENT APPLICATION NUMBER: US/10/017,216
;  CURRENT FILING DATE:  2001-10-23
;  PRIOR APPLICATION NUMBER: US 60/242,429
;  PRIOR FILING DATE: 2000-10-23
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 1286
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-017-216-7

  Query Match           13.4%;  Score 160.5;  DB 15;  Length 1286;
  Best Local Similarity  23.6%;  Pred. No. 0.0016;
  Matches   60;  Conservative   48;  Mismatches  111;  Indels   35;  Gaps    7;

Qy          5 DSMVQSLEDVTAQFESYKALTASE----------IEDLKLENSSLQEKAAKAGKNA 50
              || ::|||    :       | |:              | :|: :  . |: :| |
Db         45 DSKIRSLEQRIVELSEANKLAANSSLFTQRNMKAQEEMISELRQQKFYLETQAGKLEAQN 104

Qy         51 EDVQHQILATESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDF 110
               ::.|:      :       ||:|:|:      | :|  :   :::|:|| |:::|
Db        105 RKLEEQLEKISHQDHSDKNRLLELETRLREVSLEHEEQKLELKRQLTELQLSLQERESQL 164

Qy        111 ------RKQLEDE-EGRKAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEK 163
                   |  || :    | | | ||||  |||       :|:  |        ||
Db        165 TALQAARAALESQLRQAKTELEETTAEAEEEIQALTAHRDEIQRK-------FDALRNSC 217

Qy        164 QALLNEHGAAQEQLNKIRDSYAKLLGHQN--LKQKIKHVVKLKDENSQLKSEVSKLRCQL 221
              : :     :||||:: :  |: | :||  | :::       ||  ||:|||  || ::
Db        218 TVITD----LEEQLNQLTEDNAE-LNNQNFYLSKQLDEASGANDEIVQLRSEVDHLRREI 272

Qy        222 AKKKQSETKLQEEL 235
               :::   |  :: :
Db        273 TEREMQLTSQKQTM 286


RESULT 14
US-10-028-946-4
; Sequence 4, Application US/10028946
; Publication No. US20020123622A1
; GENERAL INFORMATION:
;  APPLICANT: Yu, Xuanchuan
;  APPLICANT:  Miranda, Maricar
;  APPLICANT:  Friddle, Carl Johan
;  TITLE OF INVENTION: No. US20020123622A1el Human Kinases and Polynucleotides Encoding
;  FILE REFERENCE: LEX-0289-USA
;  CURRENT APPLICATION NUMBER: US/10/028,946
;  CURRENT FILING DATE:  2001-12-20
;  PRIOR APPLICATION NUMBER: US 60/258,335
;  PRIOR FILING DATE: 2000-12-27
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 1958
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-10-028-946-4

  Query Match           13.4%;  Score 160.5;  DB 15;  Length 1958;
  Best Local Similarity  23.6%;  Pred. No. 0.0025;
  Matches   60;  Conservative   48;  Mismatches  111;  Indels   35;  Gaps    7;

Qy          5 DSMVQSLEDVTAQFESYKALTASE----------IEDLKLENSSLQEKAAKAGKNA 50
              || ::|||    :       | |:              | :|: :    |: :| |
Db        813 DSKIRSLEQRIVELSEANKLAANSSLFTQRNMKAQEEMISELRQQKFYLETQAGKLEAQN 872

Qy         51 EDVQHQILATESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDF 110
               ::.|:      :       ||:|:|:      | :|  :   :::|:|| |:::|
Db        873 RKLEEQLEKISHQDHSDKNRLLELETRLREVSLEHEEQKLELKRQLTELQLSLQERESQL 932

Qy        111 ------RKQLEDE-EGRKAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEK 163
                   |  || :    | | | ||||  |||       :|:  |        ||
Db        933 TALQAARAALESQLRQAKTELEETTAEAEEEIQALTAHRDEIQRK-------FDALRNSC 985

Qy        164 QALLNEHGAAQEQLNKIRDSYAKLLGHQN--LKQKIKHVVKLKDENSQLKSEVSKLRCQL 221
              : :     :||||:: :  |: | :||  | :::       ||  ||:|||  || ::
Db        986 TVITD----LEEQLNQLTEDNAE-LNNQNFYLSKQLDEASGANDEIVQLRSEVDHLRREI 1040

Qy        222 AKKKQSETKLQEEL 235
               :::   |  :: :
Db       1041 TEREMQLTSQKQTM 1054


RESULT 15
US-10-017-216-2
; Sequence 2, Application US/10017216
; Publication No. US20020160483A1
; GENERAL INFORMATION:
;  APPLICANT: KAPELLER-LIBERMANN, Rosana
;  TITLE OF INVENTION: 13245, A No. US20020160483A1el Human Myotonic Dystrophy Type P
;  TITLE OF INVENTION:  Kinase and Uses Therefor
;  FILE REFERENCE: 10147-57U1
;  CURRENT APPLICATION NUMBER: US/10/017,216
;  CURRENT FILING DATE:  2001-10-23
;  PRIOR APPLICATION NUMBER: US 60/242,429
;  PRIOR FILING DATE: 2000-10-23
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 2053
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-017-216-2

  Query Match           13.4%;  Score 160.5;  DB 15;  Length 2053;
  Best Local Similarity  23.6%;  Pred. No. 0.0027;
  Matches   60;  Conservative   48;  Mismatches  111;  Indels   35;  Gaps    7;

Qy          5 DSMVQSLEDVTAQFESYKALTASE----------IEDLKLENSSLQEKAAKAGKNA 50
              || ::|||    :       | |:              | :|: :    |: :| |
Db        797 DSKIRSLEQRIVELSEANKLAANSSLFTQRNMKAQEEMISELRQQKFYLETQAGKLEAQN 856

Qy         51 EDVQHQILATESSNQEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDF 110
               ::.|:      :       ||:|:|:      | :|  :   :::|:|| |:::|
Db        857 RKLEEQLEKISHQDHSDKNRLLELETRLREVSLEHEEQKLELKRQLTELQLSLQERESQL 916

Qy        111 ------RKQLEDE-EGRKAEKENTTAELTEEINKWRLLYEELYNKTKPFQIQLDAFEVEK 163
                   |  || :    | | | ||||  |||       :|:  |        ||
Db        917 TALQAARAALESQLRQAKTELEETTAEAEEEIQALTAHRDEIQRK-------FDALRNSC 969

Qy        164 QALLNEHGAAQEQLNKIRDSYAKLLGHQN--LKQKIKHVVKLKDENSQLKSEVSKLRCQL 221
              : :     :||||:: :  |: | :||  | :::       ||  ||:|||  || ::
Db        970 TVITD----LEEQLNQLTEDNAE-LNNQNFYLSKQLDEASGANDEIVQLRSEVDHLRREI 1024

Qy        222 AKKKQSETKLQEEL 235
               :::   |  :: :
Db       1025 TEREMQLTSQKQTM 1038


Search completed: July 17, 2003, 16:19:55
Job time : 55 secs
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